

## ABSTRACT OF THE DISCLOSURE

An energy absorbing safety barrier system comprising a plurality of plates and a plurality of fins affixed to the plates. The plates are affixed to a stationary object, such as a retaining wall on a motor racing track, via mechanical fasteners. The fins are equidistantly spaced from adjacent fins and set at a specified angle in relation to the normal direction of vehicle traffic. The specified angle of the fins optimizes the dissipation of impact energy through the fin, the energy displacing adjacent fins into one another and further dissipating through friction and energy required to displace the fins.